

NWS Form E-5

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(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

March

2009

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

April 17, 2009

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

The San Angelo hydrologic service area (HSA) received a couple of valuable rainfall events during the month of March. Drought conditions were intensifying across west central Texas during the first part of the month. However, relief came as scattered showers developed on the 9th that was produced by an unstable airmass working with an approaching dryline. The showers were limited to the western Concho Valley and western Big Country and rainfall amounts ranged from 0.10 of an inch to one inch. The following days (10th through 13th) brought more widespread rainfall and produced more generous amounts of rain. After a strong cold front moved through the area on the 10th, several upper level storm systems moved over the state to bring several rounds of light to moderate rainfall. Parts of the Northwest Hill Country and Heartland received as much as five inches of rain from these storm systems. Most areas across the HSA received 0.50 of an inch to two inches of rain. The rains were spread over several days and accompanied by cooler temperatures. Later in the month, another upper level disturbance (25th-26th) brought severe weather and rainfall to eastern portions of the HSA. While the rainfall was scattered, isolated areas across the Concho Valley, Heartland and Northwest Hill Country received one to 1.50 inches of rain.

The average precipitation reported from coop observers in March was 2.13 inches. The highest monthly precipitation total of 4.37 inches was reported in San Saba County. Coop observers in Brown, Coleman, Kimble, Mason, McCulloch, San Saba and Sutton Counties received over 3.00 inches of precipitation in March.

The San Angelo Regional Airport received 1.73 inches of precipitation during March, which was 0.74 of an inch above normal for the month. The monthly normal rainfall for San Angelo in March is 0.99 of an inch.

The Abilene Regional Airport received 1.42 inches of precipitation during March, which was 0.01 of an inch above normal for the month. The monthly normal rainfall for Abilene in March is 1.41 inches.

Junction received 3.42 inches of rain during March. The estimated average monthly rainfall in March is about 1.25 to 1.5 inches.

During the month, the U.S. Drought Monitor depicted extreme drought conditions across much of the Northwest Hill Country and parts of the eastern Concho Valley, southern Heartland and eastern portions of the Northern Edwards Plateau. Severe drought conditions were shown across the remainder of the HSA.

Coop Observer Rainfall Totals for March, 2009:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	1.71		Merkel 12SW	1.39
Acton Ranch	1.98		Mertzon 12WNW	1.22
Albany	1.62		Ozona	1.85
Anson	1.60		Ozona 2	2.00
Ballinger 2NW	1.17		Ozona 22SE	2.04
Blackwell 6NE	0.96		Paint Rock	2.14
Brady	3.94		Putnam	2.78
Brownwood	3.15		Red Bluff Crossing	4.37
Burkett	2.72		Roscoe	1.78
Coleman	2.85		Rotan	0.88
Concho Park	2.17		San Angelo WFO	1.57
Eden	2.55		San Saba 7NW	4.04
Eldorado	1.69		Santa Anna 12SSE	3.36
Eldorado 10W	1.19		Silver Valley	2.21
Fort Griffin	1.22		Sonora	2.11
Fort McKavett	2.30		Stamford	0.96
Glen Cove 2NE	1.98		Sterling City	1.35
Hamlin	2.01		Taylor Ranch	M
Haskell	0.86		Telegraph	M
Hords Creek	2.32		Throckmorton 7NE	0.80
Humble Pump	4.16		Water Valley	1.32
Junction 4SSW	3.64		Water Valley 11NE	1.54
Lawn	1.45		Winters 1NE	0.96
London 3N	3.19		Woodson	1.27
Mason	4.33		(M) <i>Missing data</i>	
Menard	M		(T) <i>Trace</i>	

Reservoir Conditions (end of March, 2009)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	59,380	85
Lake Stamford	52,700	33,080	64
Hubbard Creek Lake	317,800	249,870	79
Hords Creek Lake	8,800	2,570	45
Lake Brownwood	131,428	99,180	75
E.V. Spence	488,760	47,830	9
O.C. Fisher	119,200	5,590	5
O.H. Ivie	554,340	292,690	53
Twin Buttes	177,800	57,870	31

Hydro Products Issued

ESF = 1 (Spring Flood Outlook)

ESF = 1 (Long-Range Prob. Outlook)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for January across the San Angelo HSA is depicted below.

